

M E M O R A N D U M

GRANITE CITY - Taracorp Industries
Pre-Treatment System

TO: Division of Water Pollution Control, Field Operations Section & Records Unit

FROM: J. N. Mahlandt, P.E. - Region VI, Collinsville

DATE: September 3, 1982

INTERVIEWED: Mr. John Wentz, Mgr., Environmental Control

On the above date, the writer accompanied personnel from DAPC and DLPC to the subject lead products manufacturing facility. The plant is located at 16th and Cleveland Blvd. and was formerly operated by National Lead Company. The following comments and observations were made during this visit:

Taracorp is a secondary lead smelter processing solder scrap, batteries, reclaimed battery plates, reclaimed telephone cable and open market lead into a variety of lead based products. Of the various manufacturing operations at the facility, only one was found to generate a wastewater. This is at the cracking unit where junked batteries are opened and the plates extracted.

During this cracking, the spilled electrolyte is collected in a sump and pumped to the neutralization system. This consists of a tank equipped with a continuous pH sensor for pacing the anhydrous ammonia feed rate. This tank discharges to a sedimentation tank with the overflow being discharged to the city sewer system. The settled solids are sent to the smelting furnace. According to Mr. Wentz, this system operates from 8 am to 3 pm five days a week. The effluent flow is not metered and the only effluent pH measure is by a grab sample. No heavy metal analysis is reportedly conducted.

Cooling water from the plant units is discharged to a rectangular basin and reportedly recycled. Mr. Wentz commented that he knew of no blow down from this system.

Surface runoff from the plant grounds is also tributary to the city WWTP. Mr. Wentz stated that there are 3 to 4 catch basins on the property and these also discharge to the combined sewer system. During storm events, these are not monitored.

It is the writer's understanding that a letter is being prepared in Springfield outlining the deficiencies noted during this joint inspection. It appears that an operating permit is required for the neutralization system.

J. N. Mahlandt

JNM/cas

cc: Region VI ✓
cc: DWPC/Permit Section - Ind. Unit

EPA Region 5 Records Ctr.



260444

Surface Soil Sampling.

Area

- ① Truck parking lot on SE edge of Tava Corp. 16th + Edison
2 composites - soil 1A/1B
- ② Across street from #1, SE. -
Between State & Grand / 15th + 16th.
1 composite soil
- ③ Road - Grand + 16th. dust
(2 samples) one sample (composite), each vial
- ④ Base of Fine waste pile -
S. end of Tava Corp.
1 composite from south base of pile
1 composite from pile
- ⑤ Near back gate of Tava Corp.
15th + Edison ?
1 composite - soil
- ⑥ White material from soil at Air Products Corp. -
X 16th + 15th on Grand St.
1 composite

⑦ Madison St. near Air Products
entrance -

2 composite ~~soil~~ street dust.

⑧ Granite City Steel Co. Parking Lot
16th & Madison - North corner
1 composite soil

⑨ 16th St. & RR Tracks.
1 composite soil.

⑩ Lot NW of # 9.
Niedringhaus St. & Tracks.
1 composite soil.

⑪ Just south of the 20th & Adams
monitor.

20th & Adams
1 composite soil.